

Title (en)  
Magnetic pigment

Title (de)  
Magnetisches Pigment

Title (fr)  
Pigment magnetique

Publication  
**EP 1281714 B1 20050810 (DE)**

Application  
**EP 02016299 A 19960606**

Priority  
• CA 2440504 A 19960606  
• DE 19520398 A 19950608  
• DE 19537985 A 19951012  
• EP 96921935 A 19960606

Abstract (en)  
[origin: EP1602724A1] New prods. are (a) magnetic particles with an external glass surface that is nonporous or has pores with a dia. below 10 nm and (b) ferromagnetic particles with a glass surface.

IPC 1-7  
**C07H 1/08; C12N 15/10; B03C 1/01; C12Q 1/68**

IPC 8 full level  
**G01N 33/552** (2006.01); **B01J 20/28** (2006.01); **B03C 1/01** (2006.01); **C07H 1/08** (2006.01); **C07H 21/00** (2006.01); **C12N 15/09** (2006.01); **C12N 15/10** (2006.01); **C12N 15/11** (2006.01); **C12Q 1/68** (2006.01); **G01N 33/553** (2006.01); **H01F 1/00** (2006.01); **H01F 1/11** (2006.01); **H01F 1/36** (2006.01)

IPC 8 main group level  
**B03C** (2006.01); **C07H** (2006.01); **C12N** (2006.01); **C12Q** (2006.01)

CPC (source: EP US)  
**B03C 1/01** (2013.01 - EP US); **B82Y 25/00** (2013.01 - EP US); **C03C 3/078** (2013.01 - EP US); **C03C 3/083** (2013.01 - EP US); **C03C 3/085** (2013.01 - EP US); **C03C 3/087** (2013.01 - EP US); **C03C 3/089** (2013.01 - EP US); **C03C 3/091** (2013.01 - EP US); **C03C 3/102** (2013.01 - EP US); **C03C 3/105** (2013.01 - EP US); **C03C 3/108** (2013.01 - EP US); **C03C 3/111** (2013.01 - EP US); **C07H 21/00** (2013.01 - EP US); **C12N 15/1013** (2013.01 - EP US); **C12Q 1/6804** (2013.01 - EP US); **C12Q 1/6806** (2013.01 - EP US); **C12Q 1/6834** (2013.01 - EP US); **H01F 1/0063** (2013.01 - EP US); **H01F 1/112** (2013.01 - EP US); **H01F 1/36** (2013.01 - EP US); **Y10S 428/90** (2013.01 - EP US); **Y10S 435/814** (2013.01 - EP US); **Y10T 428/2996** (2015.01 - EP US)

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EP3520893A1; EP3470141A1; WO2019072784A1; EP2189220B1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB IE IT LI NL SE

DOCDB simple family (publication)  
**US 6255477 B1 20010703**; AT E239031 T1 20030515; AT E301665 T1 20050815; AT E368109 T1 20070815; AU 6300796 A 19970109; AU 707115 B2 19990701; CA 2223821 A1 19961227; CA 2223821 C 20080205; CA 2440504 A1 20050225; CA 2440504 C 20090203; CA 2605671 A1 19961227; CA 2605671 C 20130730; CA 2607563 A1 19961227; CN 1106401 C 20030423; CN 1192217 A 19980902; CN 1267447 C 20060802; CN 1439646 A 20030903; CN 1891833 A 20070110; CN 1974781 A 20070606; CN 1974781 B 20130522; DE 19520398 A1 19961212; DE 19520398 B4 20090416; DE 19537985 A1 19970417; DE 59610405 D1 20030605; DE 59611258 D1 20050915; DE 59611440 D1 20070906; DK 0837871 T3 20030825; DK 1281714 T3 20051219; DK 1577389 T3 20071126; EP 0837871 A1 19980429; EP 0837871 B1 20030502; EP 1281714 A1 20030205; EP 1281714 B1 20050810; EP 1577389 A2 20050921; EP 1577389 A3 20051123; EP 1577389 B1 20070725; EP 1577389 B2 20170816; EP 1602724 A1 20051207; ES 2197947 T3 20040116; ES 2247236 T3 20060301; ES 2290803 T3 20080216; HK 1051048 A1 20030718; HK 1075065 A1 20051202; JP 2006075160 A 20060323; JP 3950478 B2 20070801; JP 4456046 B2 20100428; JP H11509364 A 19990817; NO 20072301 L 19971208; NO 325384 B1 20080414; NO 330520 B1 20110509; NO 975772 D0 19971208; NO 975772 L 19980206; NZ 311648 A 19990830; US 2002137920 A1 20020926; US 2003135038 A1 20030717; US 6870047 B2 20050322; WO 9641811 A1 19961227

DOCDB simple family (application)  
**US 95296998 A 19980311**; AT 02016299 T 19960606; AT 05004214 T 19960606; AT 96921935 T 19960606; AU 6300796 A 19960606; CA 2223821 A 19960606; CA 2440504 A 19960606; CA 2605671 A 19960606; CA 2607563 A 19960606; CN 03106636 A 20030227; CN 200610093596 A 19990606; CN 200610101636 A 19960606; CN 96195985 A 19960606; DE 19520398 A 19950608; DE 19537985 A 19951012; DE 59610405 T 19960606; DE 59611258 T 19960606; DE 59611440 T 19960606; DK 02016299 T 19960606; DK 05004214 T 19960606; DK 96921935 T 19960606; EP 02016299 A 19960606; EP 05004213 A 19960606; EP 05004214 A 19960606; EP 9602459 W 19960606; EP 96921935 A 19960606; ES 02016299 T 19960606; ES 05004214 T 19960606; ES 96921935 T 19960606; HK 03103250 A 20030507; HK 05109110 A 20051014; JP 2005248331 A 20050829; JP 50259397 A 19960606; NO 20072301 A 20070503; NO 975772 A 19971208; NZ 31164896 A 19960606; US 20261802 A 20020723; US 75674301 A 20010110